SONY VAIO

VGN-FE650G

VAIO® FE Series Notebook PC

Powerful entertainment and computing performance.

CUTTING-EDGE PERFORMANCE

The VAIO® FE Notebook features an Intel® Core™ Duo processor for outstanding multi-tasking performance. It also boasts hardware solutions to power you through your most demanding tasks, including a super-fast 5400rpm Serial ATA hard drive and advanced DDR2 memory for ultra high-speed computing with low power consumption. The VAIO® FE Notebook is a "Windows Vista™ Capable" PC.

EXCEPTIONAL ENTERTAINMENT EXPERIENCE

The VAIO® FE Notebook features a wider, brighter 15.4" widescreen display [11] with XBRITE-ECO™ LCD technology, Sony's most advanced display technology yet. Screen movies with extraordinary color purity and saturation, even in the bright light of day. You can also access and enjoy your digital entertainment with ease with Windows® XP Media Center Edition 2005 for intelligent control of your entertainment content.

CONNECTIVITY FOR ALL YOUR NEEDS

The VAIO® FE Notebook supports ExpressCard™, an emerging standard in smaller, faster PC card solutions. The VAIO FE also includes S-video, enabling convenient connectivity to TVs, cameras, projectors and more, while integrated 802.11 a/b/g/ wireless LAN[3] makes it possible for you to easily connect to a broad range of networks and peripherals both inside and outside of the office.

MESSAGING

Easily navigate through all of your entertainment content using Microsoft® Windows® XP Media Center Edition 2005.
Integrated camera and microphone lets you chat and video mail with family and friends[12] .
Enjoy thrilling graphics and exceptional DVD viewing with 15.4" widescreen[11] display with XBRITE-ECO™ technology.
Cutting-edge mobile performance with Intel® Core™ Duo processor.
Edit and burn customized DVDs using DVD±RW Double Layer/DVD±RW[4] drive and Click to DVD® software.

Work and play go hand-in-hand with the VAIO® FE Notebook, combining cutting-edge performance with ample workspace while maintaining a slim, lightweight design. With a super-fast Intel® Core™ Duo processor and a stunning 15.4" widescreen display[11] , you can take full advantage of Windows® XP MCE 2005 and exceptional picture and sound. The VAIO® FE Notebook is a "Windows Vista™ Capable" PC.

like.no.other™

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VAIO® FE Series Notebook PC

Specifications

General
Computer Type: Notebook
Type of Use: Portable
Action Buttons: S1, S2 (programmable), Volume and Mute
Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Pointing Device: Electro-Static touch pad

Hardware
Docking Station: Docking station connector
Camera: Built-in Camera and Microphone[12]

Processor
Type: Intel® Core™ Duo Processor T2300
Speed: 1.66GHz[1]
Front Side Bus Speed: 667MHz
L2 Cache: 2MB
Technology: Intel® Centrino® Duo Mobile Technology

Memory
Type: DDR2
Installed: 1GB (512MBx2) PC2-4200
Maximum: 2GB
Speed: 533MHz

Hard Drive
Capacity: 120GB[2]
Speed: 5400rpm
Interface: Serial ATA

Optical Drive #1
DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[4]
CD Read: 24x max.
DVD Read: 8x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots
Multimedia Card Reader: Memory Stick Duo™ media with MagicGate® functionality
ExpressCard™/34 Slot 5-in-1 Memory Card Adaptor (VGP-MCA20) supporting Memory Stick®, Memory Stick PRO™, Secure Digital, xD-Picture Card, and MultiMediaCard (MMC)
PCMCIA - Type II/Type I card slot with CardBus support

Audio
Sound System: Sony® Sound Reality™ - Audio Enhancer

Display
Screen or Display Technology: WXGA LCD
Screen Size: 15.4"[11]
Resolution: 1280 x 800
XBRITE-ECO™ Technology: Yes

Graphics
Processor: Intel® Graphics Media Accelerator 950
Video RAM: 128MB Dynamically Allocated Shared (RAM/Video) Memory
Chipset: Intel® 945GM
Interface: VGA Out with Smart Display Sensor

Inputs and Outputs
Ethernet Port: 1
Headphone Jack: 1 Mini Jack
i.LINK® Interface: 1(4-pin)[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1

Networking/Modem
Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 3945ABG Network Connection (802.11a/b/g)[3]

Power
Battery Type: Lithium-ion Battery (VGP-BPS2B)
Estimated Battery Life: 2.5-5.5 hours[7] (Standard Battery)
Power Requirements: 110W+10%

Software
Operating System: Microsoft® Windows® XP Media Center Edition 2005 with Update Rollup 2
Internet Services: America Online® 180-Day Trial - New Users Only
Anti-Virus and Recovery Software: Norton® Internet Security™ 60-Day Subscription
TrendMicro™ Anti-Spyware 30-Day Trial
Iolo® System Mechanic 30-Day Trial
VAIO® Security Center
VAIO® Update software
VAIO® Recovery Wizard software
VAIO® Support Central
Supplied Software: Microsoft® Works 8.5 60-Day Trial Version of Microsoft® Office 2003[10] (Student/Teacher Edition)
Intuit® Quicken® 2006 New User Edition (previous Quicken users may require additional upgrade)
InterVideo® WinDVD®
60-Day Trial Version of Microsoft Digital Image Starter Edition 2006[13]
Roxio® DigitalMedia SE
Sony® Original Software: Click to DVD® - DVD Creation
DVgate Plus™ - Digital Video
SonicStage Mastering Studio™ - Audio Mastering and Remastering
SonicStage® - Digital Music
VAIO Media™ - Network File Sharing
Image Converter - PSP™ Transfer
60-minute Trial Version of Wheel of Fortune®
60-minute Trial Version of Jeopardy®
Underworld - Pre-installed Movie

Service and Warranty Information
Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[9]
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service[8]
Online and Email Support: Support available from http://www.esupport.sony.com

Dimensions
Weight: 6.17 lbs with standard battery (weight is approximate and may vary)
Measurements: 14.41"(W) x 1.02"-1.39"(H) x 10.81"(D)

Supplied Accessories
Standard Lithium-ion battery (VGP-BPS2B)
AC adapter (VGP-AC19V13)
Memory Card Adapter (VGP-MCA20)
Power Cord

Optional Accessories
Multi Function Docking Station (VGP-PRFE1)
Multi Function Bay Drive, 4 USB 2.0, GB Ethernet, DVI-D, VGA out, RCA Video out, S-Video out and Kensington lock
DVD R Double Layer/DVD±RW Drive[4] Bay Unit (VGP-DRWBX1)
CD-RW/DVD-ROM Bay Unit (VGP-CRWBX1)
80GB[2] HDD Bay Unit (VGP-HDBX08A)
Additional Standard Capacity Battery (VGP-BPS2C)
Large Capacity Battery (VGP-BPL2C)
AC Adapter (VGP-AC19V10)
1GB Memory Expansion Module (VGP-MM1GA)
512MB Memory Expansion Module (VGP-MM512M)
Battery Charger (VGP-BC1)
Wireless Presentation Mouse (VGP-WMS50)
Neoprene Notebook & AC Adapter (VGP-AMC3)

Color: White

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point, sold separately. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
8. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
9. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. The Microsoft Office 2003 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
11. Viewable area measured diagonally.
12. Broadband Internet service required along with third-party services which may require a subscription fee or other service fee.
13. The Microsoft Digital Image Starter Edition 2006 60-Day Trial software included with this computer system is intended for evaluation purposes only. The software has been partially installed and you must complete installation of the software before you can use it. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-user options and operations.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.
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